

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P757224

Luminaire Tested: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 333.2 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



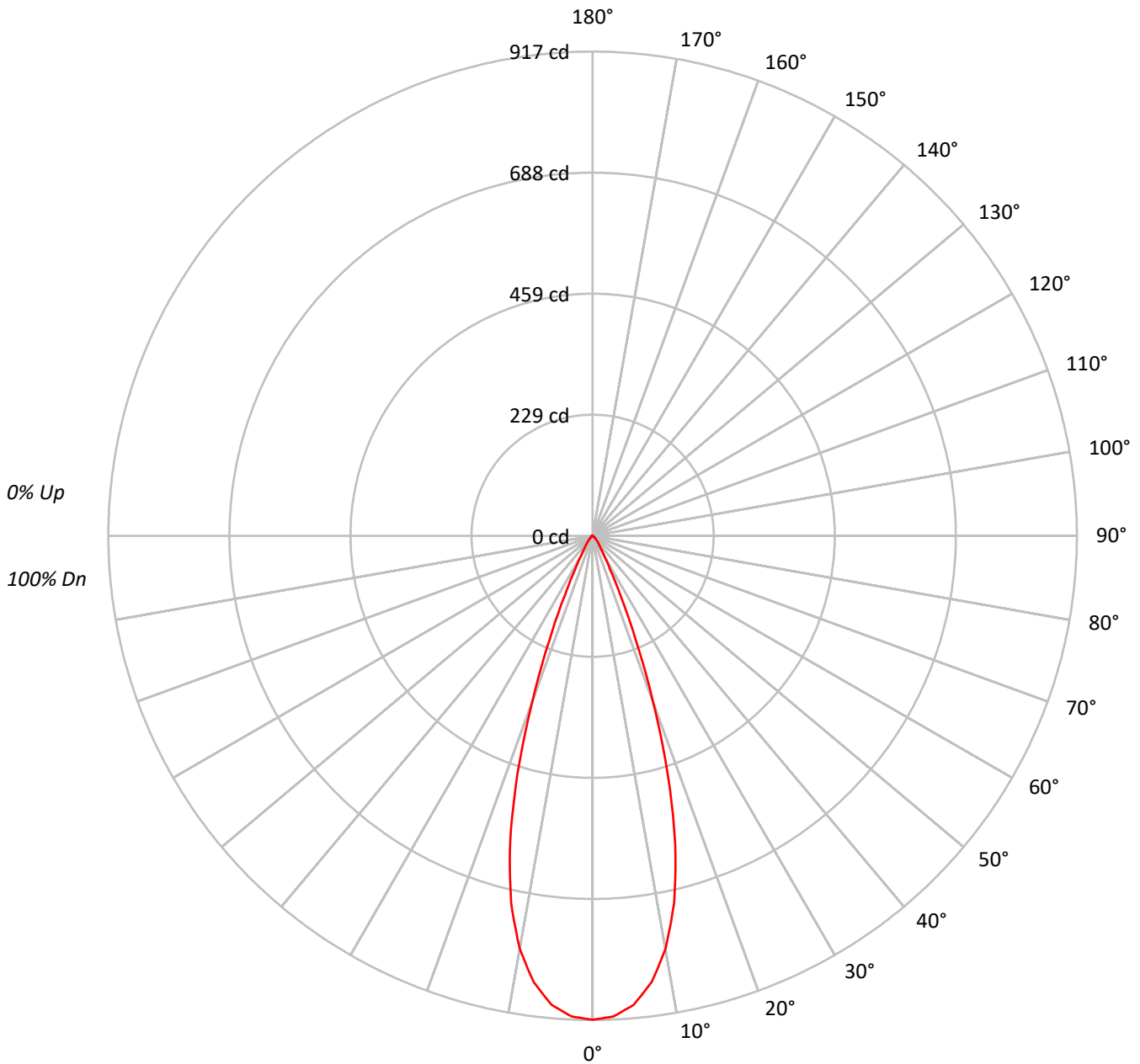
Downlight



TEST NUMBER: P757224

CATALOG NUMBER: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P757224

CATALOG NUMBER: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0															
RCR																																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																											
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																											
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88																											
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																											
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81																											
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																											
7	92	85	81	77	91	85	80	77	84	80	77	83	79	77	82	78	76	75																											
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																											
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																											
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100148
5°	97800
10°	88147
15°	68412
20°	38800
25°	15094
30°	5627
35°	3081
40°	2025
45°	1236
50°	782
55°	552
60°	393
65°	233
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1236 cd/sqm



TEST NUMBER: P757224

CATALOG NUMBER: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	24.6
10°-20°	160.1	48.1
20°-30°	65.3	19.6
30°-40°	15.6	4.7
40°-50°	6.5	2.0
50°-60°	2.7	0.8
60°-70°	0.9	0.3
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	307.4	92.3
0°-40°	323.0	96.9
0°-60°	332.3	99.7
0°-90°	333.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	333.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	917	
5°	892	82
15°	605	160
25°	125	65
35°	23	16
45°	8	7
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P757224

CATALOG NUMBER: LD6D02D010-EU6DR350210IC9030-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	916.6
2.5°	911.1
5°	891.7
7.5°	852.9
10°	794.5
12.5°	712.2
15°	604.8
17.5°	473.5
20°	333.7
22.5°	212.8
25°	125.2
27.5°	70.8
30°	44.6
32.5°	31.3
35°	23.1
37.5°	17.9
40°	14.2
42.5°	10.9
45°	8.0
47.5°	6.0
50°	4.6
52.5°	3.7
55°	2.9
57.5°	2.3
60°	1.8
62.5°	1.4
65°	0.9
67.5°	0.3
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)